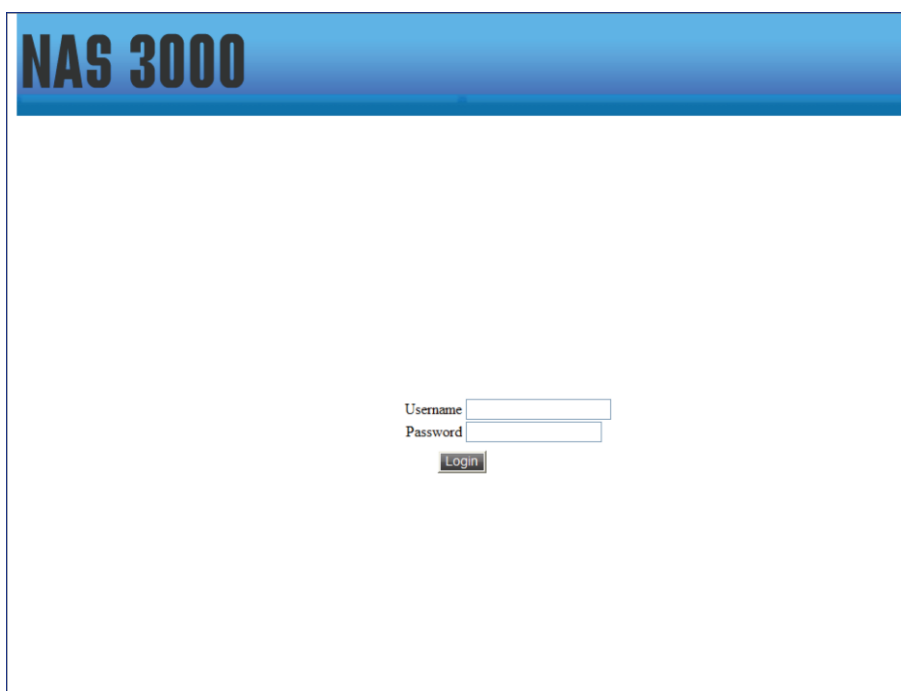


NAS 3000
1-bay User Guide

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The image shows the login screen for the NAS 3000. It features a blue header with the text "NAS 3000". Below the header, there is a large white area. In the center of this area, there are two input fields: "Username" and "Password". Below these fields is a "Login" button.

Please refer to the IP address shown on the NAS Chassis's front LCD panel, launch your web browser, and type the address: <http://xxx.xxx.xxx.xxx>.

In most cases, the user will see <http://192.168.1.xxx> (xxx being the IP address assigned to this device). The main log-in screen will pop-up.



The image shows the main menu of the NAS 3000. It features a blue header with the text "NAS 3000". Below the header, there is a navigation bar with four tabs: "Basic", "Control Panel", "Personal Info", and "Logout". The "Basic" tab is currently selected. Below the navigation bar, there is a "Quick Setup" button. To the right of the button, there is a "System Information" section. This section contains a table with the following information:

Product Name	NAS3000
Firmware Version	20090911_12bay_802.11n_AD
Product Vendor	omitech
IP Address	192.168.1.122
MAC ADDRESS	00:50:C2:2B:D0:01

For the first time log-in, the default user name and password are both "admin".

BASIC - QUICK SETUP

WIZARD

The screenshot shows the 'NAS 3000' Basic Quick Setup Wizard. The title bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. On the left, a sidebar lists 'Quick Setup' (with a plus icon), 'Wizard' (highlighted in red), 'Add User', 'Add Group', and 'Add Share'. The main content area is titled 'Step 1/6' and 'Preference Language Setting - admin'. It contains a 'Language Preference' label and a dropdown menu currently set to 'English'. At the bottom right, there are 'Back', 'Next', and 'Cancel' buttons.

Step 1 of 6

Please make sure you have at least one hard disk installed. ALL DATA ON HARD DRIVE WILL BE ERASED! Follow the 6-step setup wizard by clicking “Next”.

The screenshot shows the 'NAS 3000' Basic Quick Setup Wizard at 'Step 2/6', titled 'New Password Setting - admin'. The sidebar is identical to the previous step. The main content area has a 'New Password' label followed by two password input fields, each masked with dots. A note below the fields states: 'NOTE: If you do not wish to change the password, click **Next** button to advance to the next step.' The 'Next' button is highlighted. At the bottom right, there are 'Back', 'Next', and 'Cancel' buttons.

Step 2 of 6

Set new password for the administrator, it is highly recommended for users to change and use a distinct password. Remember this password for future log-in.

NAS 3000

Basic Control Panel Personal Info Logout

Quick Setup
Wizard
 Add User
 Add Group
 Add Share

Step 3/6
 Hostname Setting

Hostname

NOTE: The *Hostname* is the name given to the server by which Window based machine may access.

Back Next Cancel

Step 3 of 6

Set up host name of your choice

NAS 3000

Basic Control Panel Personal Info Logout

Quick Setup
Wizard
 Add User
 Add Group
 Add Share

Step 4/6
 Internet Protocol Setting

IP Address ☒ Obtain IP Address automatically
☐ Use following IP Address

IP Address
 Subnet Mask
 Default Gateway

DNS Server ☒ Obtain DNS Server Address automatically
☐ Use following DNS Server Address

Primary
 Secondary
 Others

Back Next Cancel

Step 4 of 6

For users with a router setup and DNS server turned on, both settings can be set “Automatically”. In this case, each time the system boots, an IP address will be assigned to the system depending on the IP availability. For some users who prefer a fixed IP, just type in the IP address for this machine (make sure the IP address does not conflict with other devices in the same network system). The DNS server can be set “Automatically” or usually to the router IP address.

NAS 3000

Basic Control Panel Personal Info Logout

Quick Setup
Wizard
 Add User
 Add Group
 Add Share

Step 5/6

Time Settings

Date Month Day Year

Time Hour Minute

Time Zone

NTP Server ☒ Default ☐ User Define

Back Next Cancel

Step 5 of 6

You can set up the time manually or get it from the internet. If you would like to get the time information from the internet, please specify the server of your choice.

NAS 3000

Basic Control Panel Personal Info Logout

Quick Setup
Wizard
 Add User
 Add Group
 Add Share

Step 6/6

Wizard Setting Confirmation

	Current Settings	New Settings
UI Language	English	English
Hostname	NAS3000	NAS3000
IP Address	Automatic Obtain IP Address Subnet Mask Default Gateway	Automatic Obtain IP Address Subnet Mask Default Gateway
DNS Server	Automatic Obtain Primary Secondary Others	Automatic Obtain Primary Secondary Others
Date and Time	11/24/2009 4: 0 PM	11/24/2009 4: 0 PM
Time Zone	Taipei	Taipei
NTP Server	time.nist.gov	time.nist.gov

Back Confirm Cancel

Step 6 of 6

This is a summary page of all of the information you have just chosen. Just click “Complete” to finish the Wizard, or “Back” if you want to change anything.

ADD USER

The screenshot shows the 'NAS 3000' web interface. At the top, there's a navigation bar with 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. Below this, a sidebar on the left contains a 'Quick Setup' menu with options: 'Wizard', 'Add User' (highlighted in red), 'Add Group', and 'Add Share'. The main content area is titled 'Step 1/3' and 'Add User'. It contains several input fields: 'User Name' with the value 'test', 'Password' with four dots, and a second password field with four dots and the text 'Please type your password again'. There is also a 'Description (optional)' text area. Below these are two checkboxes: 'Create Shared private Folder' (unchecked) and 'Enable Quota of' (unchecked). The 'Create Shared private Folder' checkbox is followed by a text field for 'Shared Private Folder Location' containing '/mnt/ide4'. At the bottom right, there are 'Back' and 'Next' buttons.

This is the 3-step sub-menu in the Wizard to add users. After the users are added, users can access the files stored in the device.

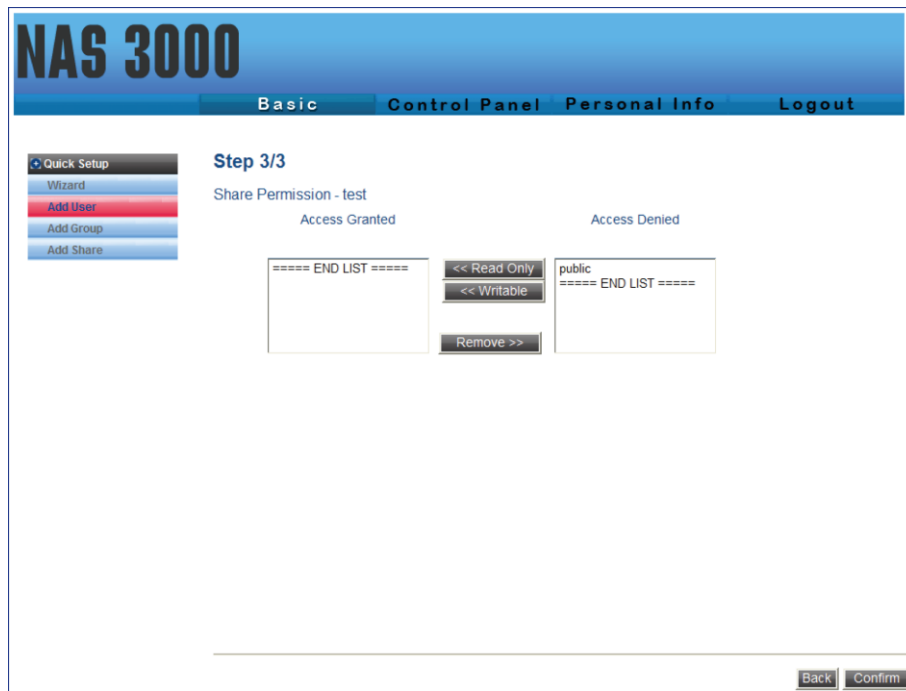
Step 1 of 3

Type in the user name and password, if “Create Private Folder (Share)” is checked, a new folder will be created for security and privacy. Also, the directory has to be specified. If not checked, the added user will only be able to access the public area.

The screenshot shows the 'NAS 3000' web interface at 'Step 2/3'. The navigation bar and sidebar are the same as in Step 1. The main content area is titled 'Step 2/3' and 'User Management - test'. It features two columns: 'Member' and 'Non-member'. The 'Member' column has a text area with '==== END LIST =====' and a '<< Add' button. The 'Non-member' column has a text area with 'guest-share' and '==== END LIST =====', and a 'Remove >>' button. At the bottom right, there are 'Back' and 'Next' buttons.

Step 2 of 3

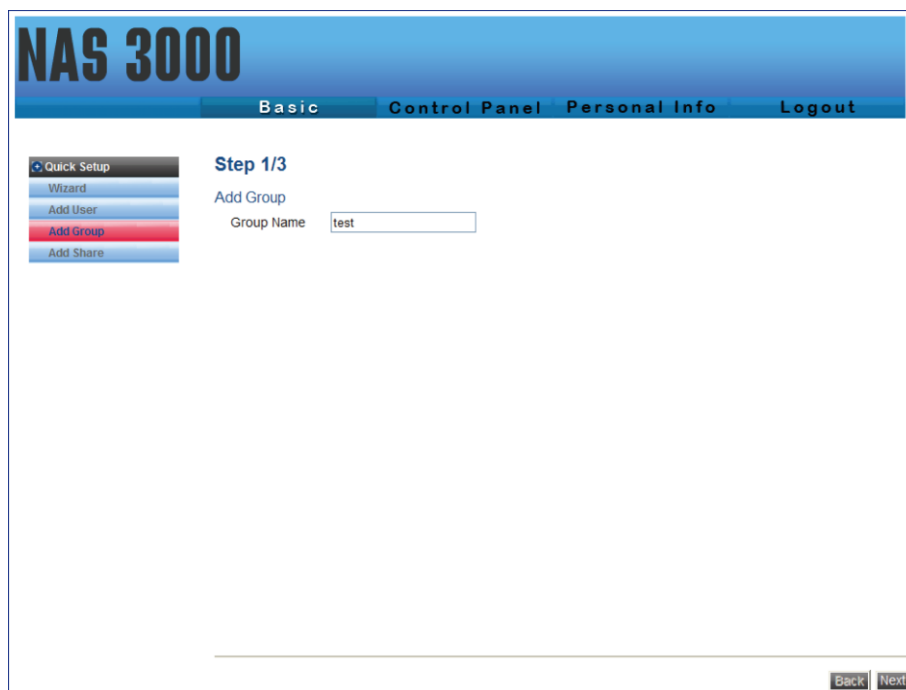
Add user to a certain group for assigning them the group access rights.



Step 3 of 3

To specify the right of permission “Read Only” or “Writable”.

ADD GROUP



Using Groups is an easier way to manage users: the same group of users have the same rights to access device.

Step 1 of 3

Adding group, specify the name of the group.

Step 2 of 3

Adding group members in the group

Step 3 of 3

Specify the right of the group.

ADD SHARE

The screenshot shows the NAS 3000 web interface. At the top, there's a blue header with the text "NAS 3000" and a navigation bar with links: "Basic", "Control Panel", "Personal Info", and "Logout". Below the header, on the left, is a sidebar with a "Quick Setup" menu containing links for "Wizard", "Add User", "Add Group", and "Add Share" (which is highlighted in red). The main content area is titled "Step 1/3" and "Add Share". It contains three input fields: "Share Name" with the value "test", "Path" with the value "/mnt/md1/test", and "Description (Optional)" which is empty. At the bottom right of the main area are "Back" and "Next" buttons.

The Add Share setting is to set "Share" of the directory for specific users.

Step 1 of 3

Type the share name and path.

The screenshot shows the NAS 3000 web interface at Step 2/3. The header and sidebar are the same as in Step 1. The main content area is titled "Step 2/3" and "Windows, FTP Access - test". It features a checkbox labeled "Grant access to all" which is currently unchecked. Below this, there are two sections: "Access Granted" and "Access Denied". The "Access Granted" section has a text area containing "==== END LIST =====" and buttons for "<< Read Only", "<< Writable", and "Remove >>". The "Access Denied" section has a text area containing a list of users and groups: "admin", "guest-share", "test", "@guest-share", "@test", followed by "==== END LIST =====". A note at the bottom states "The prefix '@' denotes Group Name." At the bottom right are "Back" and "Next" buttons.

Step 2 of 3

This step specifies users' right to access this directory.

NAS 3000

Basic Control Panel Personal Info Logout

Quick Setup
 Wizard
 Add User
 Add Group
 Add Share

Step 3/3

NFS Access - test

☐ Grant access to all

Allowable IP/Subnet

==== END LIST =====

Add

Remove

☒ IP Address

☐ Subnet

Back Confirm

Step 3 of 3

This step specifies the IP addresses or Subnet address to access the device. If “Allow for all” is checked, there will be no restriction for all users.

USER MANAGEMENT



This screen shows the status of the device.

CONTROL PANEL - USER AND GROUPS

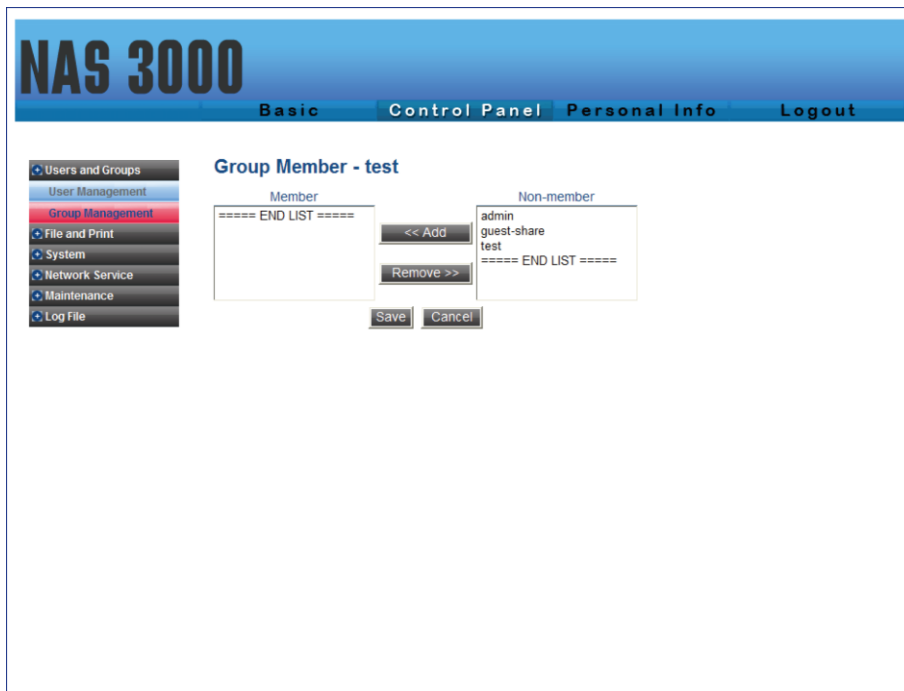
The screenshot shows the 'User Management' page of the NAS 3000 control panel. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. A left sidebar lists various system functions, with 'User Management' highlighted. The main content area is titled 'User Management' and features a text box for 'Existing Users' containing 'admin', 'guest-share', and 'test', followed by '==== ADD USER ====='. Below this are input fields for 'User Name', 'Password', and a confirmation password field with the prompt 'Please type your password again'. There is also an optional 'Description' field. Further down, there are checkboxes for 'Create Shared private Folder' (with a location field set to '/mnt/md1') and 'Enable Quota of' (with a field for MB). At the bottom are buttons for 'Save', 'Clear Form', 'Groups', and 'Delete User'.

This page allows administrator to add/delete/manage users.

GROUP MANAGEMENT

The screenshot shows the 'Group Management' page of the NAS 3000 control panel. The top navigation bar and left sidebar are identical to the previous page, with 'Group Management' highlighted in the sidebar. The main content area is titled 'Group Management' and features a text box for 'Existing Groups' containing 'guest-share' and 'test', followed by '==== ADD GROUP ====='. Below this is an input field for 'Group Name'. At the bottom are buttons for 'Save', 'Clear Form', 'Members', and 'Delete Group'.

This page creates groups for simplified user management.



This page allows administrator to add/delete members in the group.

CONTROL PANEL - FILE AND PRINT

FILE SERVER

NAS 3000

Basic Control Panel Personal Info Logout

Users and Groups
File and Print
File Server
Share Management
Printer Server
System
Network Service
Maintenance
Log File

File Server Setting

Character set: English (CP437)

Windows Setting

Enable: ☒

Workgroup: WORKGROUP

Description: NAS3000

WINS Server (Optional):

FTP Server Setting

Enable: ☒

Enable FTP with TLS: ☐

Port Number: 21

NFS Server Setting

Enable: ☒

Guest Access Setting

Enable: ☒

Enable Quota: ☐

Guest-user Quota: MB

Save

NAS 3000

Basic Control Panel Personal Info Logout

Users and Groups
File and Print
File Server
Share Management
Printer Server
System
Network Service
Maintenance
Log File

File Server Setting

Character set: English (CP437)

Windows Setting

ModeSelect: JoinDomain(AD)

AD Host Domain Name:

AD KDC Address:

AD ID:

AD PassWord:

FTP Server Setting

Enable: ☒

Enable FTP with TLS: ☐

Port Number: 21

NFS Server Setting

Enable: ☒

Guest Access Setting

Enable: ☒

Enable Quota: ☐

Guest-user Quota: MB

Save

There are several options to setup servers. Unless there is a special concern, all servers are turned on by default. For the Windows Setting, please specify the Workgroup name to be compatible with Windows users.

SHARE MANAGEMENT

The screenshot shows the 'Share Management' page of the NAS 3000 web interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. A left sidebar contains a tree view with 'Share Management' highlighted. The main content area is titled 'Share Management' and features a form for adding a new share. The form includes an 'Existing Shares' section with a text area containing 'public' and '===== ADD SHARE ====='. Below this are input fields for 'Share Name', 'Path' (pre-filled with '/mnt/md1'), and 'Description (Optional)'. At the bottom of the form are buttons for 'Windows FTP Access', 'NFS Access', 'Save', 'Clear Form', and 'Delete Share'.

This page allows user to specify the share name and shared path.

The screenshot shows the 'Windows, FTP Access - test' page of the NAS 3000 web interface. The top navigation bar and left sidebar are identical to the previous screenshot. The main content area is titled 'Windows, FTP Access - test' and features a checkbox for 'Grant access to all'. Below this are two sections: 'Access Granted' and 'Access Denied'. The 'Access Granted' section contains a text area with '===== END LIST =====' and buttons for '<< Read Only', '<< Writable', and 'Remove >>'. The 'Access Denied' section contains a text area with 'admin', 'guest-share', '@guest-share', '@test', and '===== END LIST ====='. A note at the bottom states 'The prefix "@" denotes Group Name.' and there are 'Save' and 'Cancel' buttons.

Setup sharing rights for Windows and FTP servers

NAS 3000

Basic Control Panel Personal Info Logout

Users and Groups
 File and Print
 File Server
 Share Management
 Printer Server
 System
 Network Service
 Maintenance
 Log File

NFS Access - test

☐ Grant access to all

Allowable IP/Subnet

==== END LIST ====

Add

Remove

Save Cancel

☒ IP Address
 . . .

☐ Subnet
 . . .

Setup sharing rights for NFS (Network File System) server

PRINTER SERVER

NAS 3000

Basic Control Panel Personal Info Logout

Users and Groups
 File and Print
 File Server
 Share Management
 Printer Server
 System
 Network Service
 Maintenance
 Log File

Printer Server Setting

Enable ☒

Printer Name

Description (optional) No printer exists

Save

Enable/Disable printer server.

CONTROL PANEL - SYSTEM

LAN SETTINGS

The screenshot shows the 'LAN Settings' page of the NAS 3000 control panel. The page has a blue header with 'NAS 3000' and navigation tabs: 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. On the left is a sidebar menu with options: 'Users and Groups', 'File and Print', 'System', 'LAN Settings' (highlighted), 'Wireless Settings', 'Time Settings', 'Turn Off Server', 'Information', 'Disk Usage', 'Error Notification', 'Network Service', 'Maintenance', and 'Log File'. The main content area is titled 'LAN Settings' and contains the following fields and options:

- Hostname:** A text box containing 'NAS3000'.
- IP Address Setting:** Two radio button options:
 - ☒ Obtain IP Address automatically
 - ☐ Use following IP Address
- IP Address:** Four input boxes with values 192, 168, 1, and 122.
- Subnet Mask:** Four input boxes with values 255, 255, 255, and 0.
- Default Gateway:** Four input boxes with values 192, 168, 1, and 1.
- DNS Server Address:** Two radio button options:
 - ☒ Obtain DNS Server Address automatically
 - ☐ Use following DNS Server Address
- Primary:** Four input boxes with values 192, 168, 1, and 1.
- Secondary:** Four input boxes with values 61, 64, 127, and 1.
- Others:** Four input boxes with values 61, 64, 127, and 2.
- MAC Address:** A text box containing '00:50:C2:2B:D0:01'.
- Save:** A button at the bottom right of the form.

Setting the way this device gets the IP from, either fixed IP or from the connected network DNS server.

WIRELESS SETTINGS

The screenshot shows the 'Wireless Settings' page for the NAS 3000. The left sidebar contains a menu with options: Users and Groups, File and Print, System, LAN Settings, **Wireless Settings**, Time Settings, Turn Off Server, Information, Disk Usage, Error Notification, Network Service, Maintenance, and Log File. The main content area is titled 'Wireless Settings' and includes the following fields: 'Wireless Enabled' (checkbox), 'AP/STA mode' (dropdown menu set to 'AP Mode'), 'SSID' (text box with 'SabioAp'), 'Hide SSID' (checkbox), 'Country/Region' (dropdown menu set to 'MKG1/Japan'), 'Channel' (dropdown menu set to '6'), 'Wireless Mode' (dropdown menu set to '802.11 B/G/N mixed (default)'), 'Ht MCS' (dropdown menu set to '33: Auto'), 'Authentication Mode' (dropdown menu set to 'OPEN'), and 'Encryption Type' (dropdown menu set to 'NONE'). A 'Save' button is located at the bottom right of the settings area.

The screenshot shows the 'Wireless Settings' page for the NAS 3000 in STA Mode. The left sidebar is identical to the first screenshot. The main content area is titled 'Wireless Settings' and includes the following fields: 'Wireless Enabled' (checkbox), 'AP/STA mode' (dropdown menu set to 'STA Mode'), 'select ssid' (dropdown menu set to 'User input'), 'SSID' (text box with 'SabioAp'), 'Authentication Mode' (dropdown menu set to 'OPEN'), and 'Encryption Type' (dropdown menu set to 'NONE'). A 'Save' button is located at the bottom right of the settings area. Additionally, there is a 'UNCONNECT' button and a 'scan' button in the top right corner of the main content area.

This device also works as a Wireless Access Point. For most users, SSID is the only thing you need to change. Please specify the name you would like to be seen by the Wireless clients.

TIME SETTINGS

The screenshot shows the 'Time Settings' page of the NAS 3000 web interface. The left sidebar contains a menu with options: Users and Groups, File and Print, System, LAN Settings, Wireless Settings, Time Settings (highlighted), Turn Off Server, Information, Disk Usage, Error Notification, Network Service, Maintenance, and Log File. The main content area is titled 'Time Settings' and includes fields for Date (Month 11, Day 24, Year 2009), Time (Hour 4, Minute 40, PM), Time Zone ((GMT-05:00) Eastern Time (US & Canada)), and NTP Server (Default, time.nist.gov). There are 'Save' and 'Update Time' buttons at the bottom.

Setting up the system time, selecting the time zone you are in and the time server you wish to use so the system time will be automatically updated over the internet.

TURN OFF SERVER

The screenshot shows the 'Turn Off Server' page of the NAS 3000 web interface. The left sidebar is the same as the previous screenshot, with 'Turn Off Server' highlighted. The main content area is titled 'Turn Off Server' and contains instructions: 'To restart the server, click the Restart button.' and 'To turn off the server, click the Turn off button.' Below the text are 'Restart' and 'Turn off' buttons.

Turn off or Restart the server. This can also be done from the front power button on the NAS by holding it down for several seconds.

INFORMATION

The screenshot shows the 'Basic' tab of the NAS 3000 Control Panel. The left sidebar contains a menu with options: Users and Groups, File and Print, System, LAN Settings, Wireless Settings, Time Settings, Turn Off Server, Information (highlighted), Disk Usage, Error Notification, Network Service, Maintenance, and Log File. The main content area is titled 'System Information' and displays the following details:

Product Name	NAS3000
Firmware Version	20090911_12bay_802.11n_AD
Product Vendor	omnitech
IP Address	192.168.1.122
MAC ADDRESS	00:50:C2:2B:D0:01

Current system information

DISK USAGE

The screenshot shows the 'Basic' tab of the NAS 3000 Control Panel, with the 'Disk Usage' section selected. The left sidebar is identical to the previous screenshot, with 'Disk Usage' highlighted. The main content area is titled 'Disk Usage' and shows the last checked time as 11/24/2009 16:42:41. Below this is a table with a dropdown menu set to 'Summary'.

Please select statistics information: Summary				
Disk Name	Capacity	Used	Free	Disk Usage (%)
/dev/md	205567MB	128MB	205439MB	0%

Below the table is a 'Refresh' button.

This page is to manage and/or format hard disk drives.

ERROR NOTIFICATION

NAS 3000

Basic Control Panel Personal Info Logout

Users and Groups
File and Print
System
LAN Settings
Wireless Settings
Time Settings
Turn Off Server
Information
Disk Usage
Error Notification
Network Service
Maintenance
Log File

Error Notification Setting

Monitoring Services Setting

Disk Usage ☐

Windows File Sharing Server ☐

FTP Server ☐

DHCP Server ☐

Check Interval

Interval

Email Notification Setting

Enable ☐

Error Handling Mail Server

Error Handling Email Addresses

Pop-Up Notification Setting

Enable ☐

Error Handling Pop-Up Machine Name

To specify when and how the administrator is notified if an error happens, you can specify if you would like to get an email notification.

CONTROL PANEL - NETWORK SERVICE

DHCP SERVER

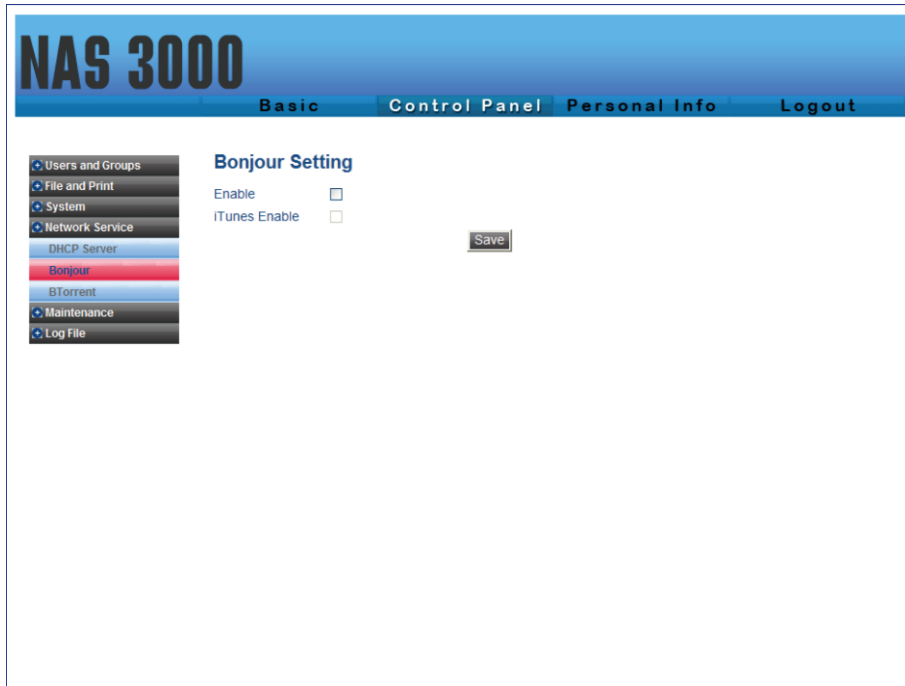
The screenshot shows the 'NAS 3000' control panel interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The left sidebar lists various services: 'Users and Groups', 'File and Print', 'System', 'Network Service' (expanded), 'DHCP Server' (selected), 'Bonjour', 'BTorrent', 'Maintenance', and 'Log File'. The main content area is titled 'DHCP Server Setting'. It contains a checkbox for 'Enable Server', a 'DHCP Client Setting' section with a 'Subnet Mask (optional)' field, and a 'DHCP IP Address Setting' section with fields for 'Default Gateway (optional)', 'Primary DNS (optional)' (192.168.1.1), 'Secondary DNS (optional)' (61.64.127.1), 'Others DNS (optional)' (61.64.127.2), 'DHCP IP Address Start' (192.168.1.2), 'DHCP IP Address End' (192.168.1.50), and 'Maximum Lease Time' (1 day). At the bottom are buttons for 'Save', 'DHCP lease list', and 'Static IP'.

Enable/Disable DHCP server, in most applications, DHCP server should be “Disabled” in this device, since very likely you should have a DHCP server in the network already.

The screenshot shows the 'NAS 3000' control panel interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The left sidebar lists various services: 'Users and Groups', 'File and Print', 'System', 'Network Service' (expanded), 'DHCP Server' (selected), 'Bonjour', 'BTorrent', 'Maintenance', and 'Log File'. The main content area is titled 'Static IP Setting'. It contains a text area for 'Existing Static IP' with the placeholder '==== END LIST =====', a 'Static IP Address' section with a row of five input fields, and a 'MAC Address' section with a row of six input fields. At the bottom are buttons for 'Save', 'Clean form', and 'Delete Static IP'.

Specific the fixed IP address for the device.

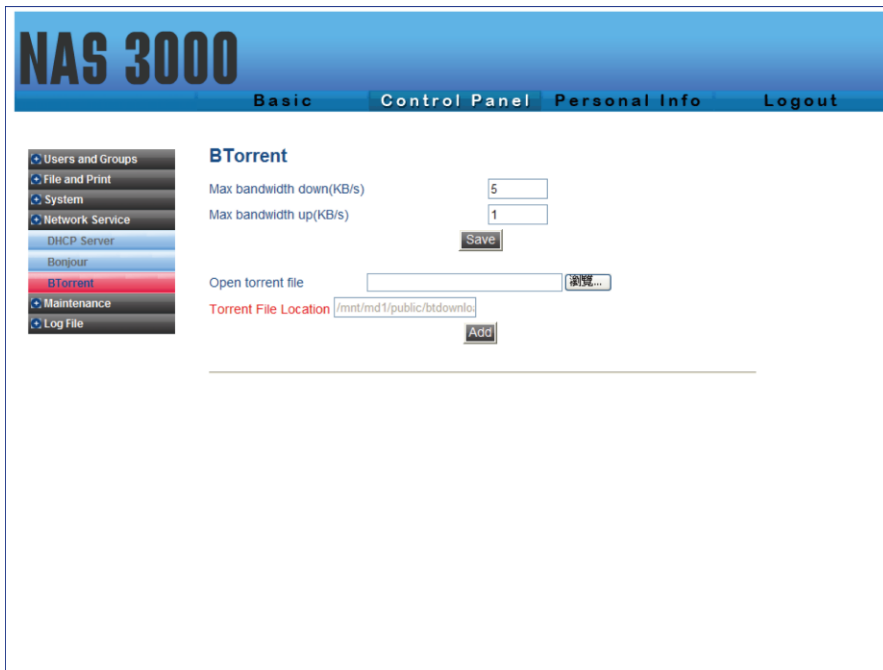
BONJOUR



The screenshot shows the NAS 3000 web interface. At the top, there's a blue header with "NAS 3000" in large white letters. Below the header is a navigation bar with four tabs: "Basic", "Control Panel", "Personal Info", and "Logout". The "Control Panel" tab is selected. On the left side, there's a sidebar menu with several options: "Users and Groups", "File and Print", "System", "Network Service", "DHCP Server", "Bonjour" (highlighted in red), "BTorrent", "Maintenance", and "Log File". The main content area is titled "Bonjour Setting". It contains two checkboxes: "Enable" and "iTunes Enable", both of which are currently unchecked. Below these checkboxes is a "Save" button.

If you are an Apple Mac user, please enable this server for data access, otherwise, please leave it off.

BITTORRENT



The screenshot shows the NAS 3000 web interface with the "BTorrent" settings page selected. The header and navigation bar are the same as in the previous screenshot. The sidebar menu also has "BTorrent" highlighted in red. The main content area is titled "BTorrent". It contains two input fields for bandwidth: "Max bandwidth down(KB/s)" with a value of "5" and "Max bandwidth up(KB/s)" with a value of "1". Below these fields is a "Save" button. Further down, there's a section for "Open torrent file" with a text input field and a "Browse..." button. Below that, there's a "Torrent File Location" field with the value "/mnt/md1/public/btdownload" and an "Add" button.

BitTorrent is a peer-to-peer file sharing protocol. The system will do the download in the background if a Torrent "seed" is provided to the system. Just specify the seed location then enable the task. The download file will be stored under "public" directory.

CONTROL PANEL - MAINTENANCE

DISK UTILITY

NAS 3000

Basic Control Panel Personal Info Logout

Users and Groups
File and Print
System
Network Service
Maintenance
Disk Utility
RAID Setting
Firmware Upgrade
Save Configuration
Restore Configuration
Factory Reset
Log File

Disk Utility

Device Name	Type	Mount Point	Status	Encrypt/Password/Format Type/Format	Scandisk	Umount	Health
/dev/hda	none		raid used	☐ encrypt ext3 Format	Scan	Umount	PASSED Detail
/dev/hdb	none		raid used	☐ encrypt ext3 Format	Scan	Umount	PASSED Detail

Refresh

Disk spin down time: Minute Save

This screen lists all the hard disks detected by the system. You can check the disk capacity and format the disk with the file system you prefer.

File Systems

EXT2, EXT3 are Linux file systems; they have all the Linux features like data security and personal quota. But the content of the file can't be read from a Windows based system when you take the drive out of the system.

FAT32: is a file system without any security features and runs a bit slower. The only benefit is this file system can be read in a Windows based system when you take the drive out. The limitation of a FAT32 file system is the single file size cannot exceed 2GB which is not suitable for most DVD video files.

For the "Scan" button, the system will perform a file system data integrity checking to make sure the file system is OK with no errors or missing links.

NAS 3000

BasicControl PanelPersonal InfoLogout

Users and Groups

File and Print

System

Network Service

Maintenance

Disk Utility

RAID Setting

Firmware Upgrade

Save Configuration

Restore Configuration

Factory Reset

Log File

Disk Utility

Device Name	Type	Mount Point	Status	Encrypt/Password/Format Type/Format	Scandisk	Umount	Health
/dev/hda	none		raid used	☐ encrypt ext2 Format	Scan	Umount	PASSED Detail
/dev/hdb	none		raid used	☐ encrypt ext2 Format	Scan	Umount	PASSED Detail

Disk spin down time: Minute

SMART report of the hard drive. This tells users the health condition of the hard disk drive.

FIRMWARE UPGRADE

NAS 3000

BasicControl PanelPersonal InfoLogout

Users and Groups

File and Print

System

Network Service

Maintenance

Disk Utility

RAID Setting

Firmware Upgrade

Save Configuration

Restore Configuration

Factory Reset

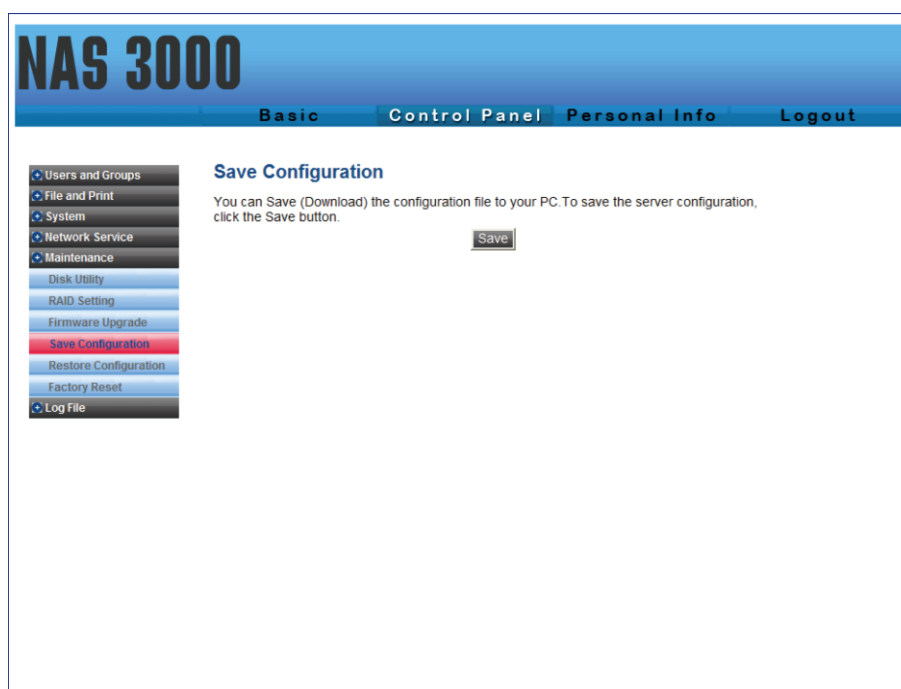
Log File

Firmware Upgrade

Current Firmware Version20090911_12bay_802.11n_AD
 Upgrade File

System firmware upgrade

SAVE CONFIGURATION



Save all configurations in a file.

RESTORE CONFIGURATION



Restore all the configurations stored in the system file.

FACTORY RESET



Reset all settings to the factory default

CONTROL PANEL - LOG FILE

SAMBA LOG

The screenshot shows the NAS 3000 Control Panel interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The left sidebar lists various system logs, with 'Samba Log' highlighted in red. The main content area displays the 'Samba Log' table, which contains log entries for Samba service events. A 'Clean' button is located below the table.

User	From	Time	Information
		2009/11/24 15:35:54, 0	smbd version 3.0.25a started.
		2009/11/24 15:35:59, 1	Reloading services after SIGHUP
dst-macair	dst-macair (192.168.1.105)	2009/11/24 15:39:34, 1	dst-macair (192.168.1.105) connect to service public initially as user guest-share (uid=7002, gid=7001) (pid 2136)
dst-macair	dst-macair (192.168.1.105)	2009/11/24 15:39:34, 1	dst-macair (192.168.1.105) connect to service guest-share initially as user guest-share (uid=7002, gid=7001) (pid 2136)
dst-macair	dst-macair (192.168.1.105)	2009/11/24 15:39:39, 1	dst-macair (192.168.1.105) closed connection to service public
dst-macair	dst-macair (192.168.1.105)	2009/11/24 15:39:39, 1	dst-macair (192.168.1.105) closed connection to service guest-share

Clean

Windows server log report

FTP Log

The screenshot shows the NAS 3000 Control Panel interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The left sidebar lists various system logs, with 'FTP Log' highlighted in red. The main content area displays the 'FTP Log' table, which contains log entries for FTP service events. A 'Clean' button is located below the table.

Time	IP	Message
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Clean

FTP server log report

DHCP SERVER LOG

The screenshot shows the NAS 3000 web interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The left sidebar lists various system logs, with 'DHCP Server Log' highlighted in red. The main content area is titled 'DHCP Server Log' and contains a table with columns: 'HostName', 'IP Address', 'MAC Address', and 'Lease Time'. Below the table is a 'refresh' button.

HostName	IP Address	MAC Address	Lease Time
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refresh

DHCP server log report

SYSTEM LOG

The screenshot shows the NAS 3000 web interface. The top navigation bar includes 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The left sidebar lists various system logs, with 'System Log' highlighted in red. The main content area is titled 'System Log' and contains a table with columns: 'Time' and 'Message'. Above the table is a 'System Log redirect to IP Address' field with a 'Save' button. Below the table is a 'Clean' button.

System Log redirect to IP Address : Save

Time	Message
Nov 24 15:34:48	restart.
Nov 24 15:34:48	crond 2.3.2 dillon, started, log level 8
Nov 24 15:34:50	udhcpd (v0.9.9-pre) started
Nov 24 15:34:51	Lease of 192.168.1.122 obtained, lease time 43200
Nov 24 15:34:55	udhcpd (v0.9.9-pre) started
Nov 24 15:34:56	Lease of 192.168.1.122 obtained, lease time 43200
Nov 24 15:34:59	crond 2.3.2 dillon, started, log level 8
Nov 24 15:35:01	restart.
Nov 24 15:35:58	crond 2.3.2 dillon, started, log level 8
Nov 24 15:36:02	Power management is enabled !!!
Nov 24 15:36:03	crond 2.3.2 dillon, started, log level 8
Nov 24 15:36:03	backup_button dameon start!!
Nov 24 15:36:04	Open /tmp/mount.point successfully !!!
Nov 24 15:36:04	System mount point=/mnt/mdl
Nov 24 15:36:07	^MStarting pid 2009, console /dev/console: '/sbin/getty'
Nov 24 15:36:08	root login on 'ttySL0'

Clean

System log report

ADMINISTRATION LOG

NAS 3000

BasicControl PanelPersonal InfoLogout

Users and GroupsFile and PrintSystemNetwork ServiceMaintenanceLog FileSamba LogFTP LogDHCP Server LogSystem LogAdministration Log

Administration Log

Time	Message
2009.11.24-07:34:41	SYSTEM: Set hostname to NAS3000 OK
2009.11.24-07:34:45	SAMBA: Set server string to NAS3000 OK
2009.11.24-15:34:47	NETWORK: DHCP Client enabled OK
2009.11.24-15:34:47	NETWORK: Set netmask to 255.255.255.0 OK
2009.11.24-15:34:47	NETWORK: Set IP address to 192.168.1.100 OK
2009.11.24-15:34:48	SYSTEM: Set gateway to 192.168.1.1 OK
2009.11.24-15:34:48	SYSTEM: Set domain to Domain OK
2009.11.24-15:34:48	SYSTEM: Set DNS to &192.168.1.1&61.64.127.2& OK
2009.11.24-15:34:49	SYSTEM: Set gateway to 192.168.1.1 OK
2009.11.24-15:34:49	SYSTEM: Set domain to Domain OK
2009.11.24-15:34:49	SYSTEM: Set DNS to &192.168.1.1 OK
2009.11.24-15:34:50	NETWORK: Set IP address to 192.168.1.122 OK
2009.11.24-15:35:05	USER: Add new user admin OK
2009.11.24-15:35:29	FOLDERSHARE: Add new folder share public OK
2009.11.24-15:35:30	GROUP: Add new group guest-share OK
2009.11.24-15:35:30	GROUP: Modify group guest-share : members= &admin& OK
2009.11.24-15:35:30	GROUP: Add new group guest-share OK
2009.11.24-15:35:30	USER: Add new user guest-share OK
2009.11.24-15:35:49	FOLDERSHARE: Modify folder share public OK
2009.11.24-15:36:01	FOLDERSHARE: Modify folder share public OK
2009.11.24-15:36:46	USER: Modify user admin: OK
2009.11.24-16:10:37	USER: Add new user test OK
2009.11.24-16:11:04	GROUP: Add new group test OK
2009.11.24-16:11:04	GROUP: Modify group test : members= OK
2009.11.24-16:11:04	GROUP: Add new group test OK
2009.11.24-16:13:43	FOLDERSHARE: Add new folder share test OK
2009.11.24-16:13:57	FOLDERSHARE: Add new folder share test OK
2009.11.24-16:23:49	FOLDERSHARE: Add new folder share test OK
2009.11.24-16:25:56	FOLDERSHARE: Add new folder share test OK
2009.11.24-16:26:10	USER: Delete user test OK
2009.11.24-16:27:02	FOLDERSHARE: Add new folder share test OK

Clean

Administration log report

NAS 3000

BasicControl PanelPersonal InfoLogout

Personal Information

System Information

Product Name	NAS3000
Firmware Version	20090911_12bay_802.11n_AD
Product Vendor	Omnitech
IP Address	192.168.1.122
MAC ADDRESS	00:50:C2:2B:D0:01

System status report

PERSONAL INFO - PERSONAL INFORMATION

ACCOUNT

The screenshot shows the 'NAS 3000' web interface. At the top, there is a navigation bar with 'Basic', 'Control Panel', 'Personal Info', and 'Logout'. The 'Personal Info' tab is selected. On the left, a sidebar shows 'Personal Information' and 'Account' (highlighted in red). The main content area is titled 'Account Information - admin'. It contains several sections: 'Change Password' with two password input fields (the second has a '(Please type your password again)' hint); 'Language Preference' with a dropdown menu set to 'English'; 'Description (Optional)' with a text input field; 'Disk Usage' showing 'Quota' as 'unlimited', 'Used' as '0.00MB', and 'Percentage' as '-'; and 'Share List' showing 'public (Writable)' followed by '==== END LIST ====='. At the bottom right of the form are 'Save' and 'Refresh' buttons.

On this page you can check your user settings and change your password and language setting if needed.

LOGOUT



To logout from the system please use the button in the upper right corner.

ACTIVE DIRECTORY INSTALLATION

This advanced feature is used in a network environment equipped with Microsoft Windows Server. CM404 will act as a client of the server, when this device joins the server domain, the authentication of all user access to this system will be controlled by the server. The user accounts will be managed in the server. CM404 synchronizes the users' information with the server in a designated period of time to make sure the user information is the most updated one.

To install Active Directory, please follow the steps in described in previous sections to format the drives or prepare the RAID system. Make sure the CM404 is accessible, copy the "adpacked.tgz" in the CD-ROM disk to the "public" directory of CM404. Please don't try to unpack this file, just copy it. The next step is to reboot the system by using web management page or push and hold the power switch for 3 seconds to make the installation effective.



This is the setup screen “before” the Active Directory module is installed.

The screenshot shows the 'File Server Setting' page in the NAS 3000 control panel. The left sidebar contains a menu with 'File Server' highlighted. The main content area is titled 'File Server Setting' and includes the following fields and options:

- Character set: English (CP437)
- Windows Setting
 - Enable: ☒
 - Workgroup: WORKGROUP
 - Description: NAS3000
 - WINS Server (Optional): [] [] [] []
- FTP Server Setting
 - Enable: ☒
 - Enable FTP with TLS: ☐
 - Port Number: 21
- NFS Server Setting
 - Enable: ☒
- Guest Access Setting
 - Enable: ☒
 - Enable Quota: ☐
 - Guest-user Quota: [] MB

A 'Save' button is located at the bottom right of the settings area.

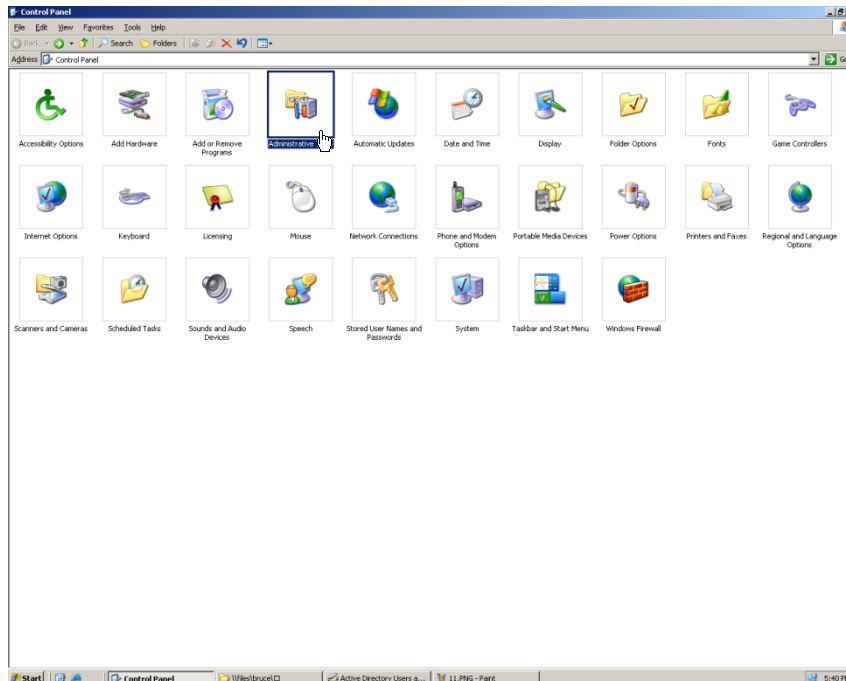
This is the setup screen “after” the Active Directory module is installed.

Under “Control Panel” click “File and Print” and select “File Server”. In the “Mode Select” item, select “Join Domain(AD)” then type in the **AD Host.DomainName**, **AD KDC Address**, **AD ID**, **AD password**. After you are done, just click “Save” button to save the settings.

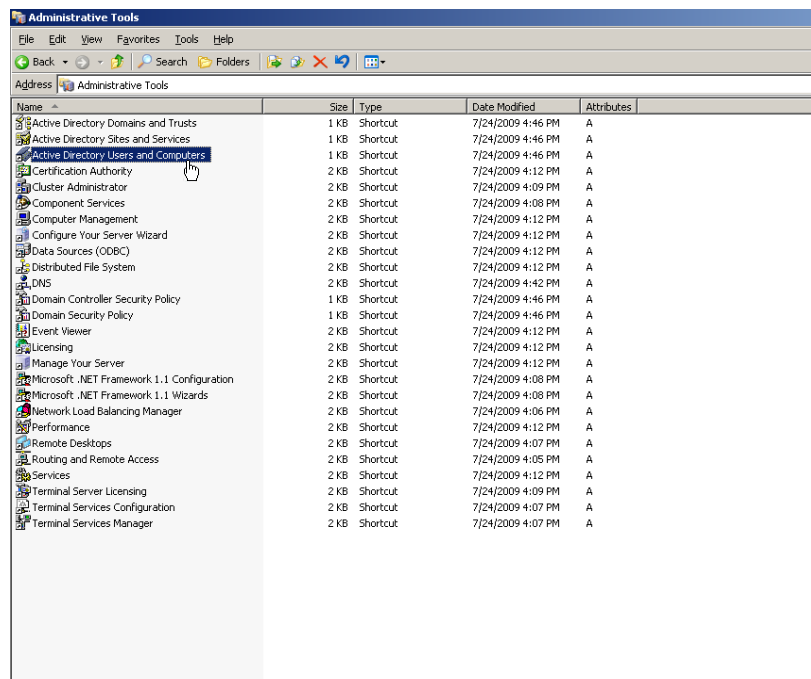
The screenshot shows the 'File Server Setting' page after the Active Directory module is installed. The 'ModeSelect' dropdown menu is now visible and expanded, showing the following options: 'WorkGroup', 'WorkGroup', 'JoinDomain(AD)', and 'WORKGROUP'. The 'JoinDomain(AD)' option is highlighted by the mouse. The rest of the settings are the same as in the previous screenshot.

ADD USER

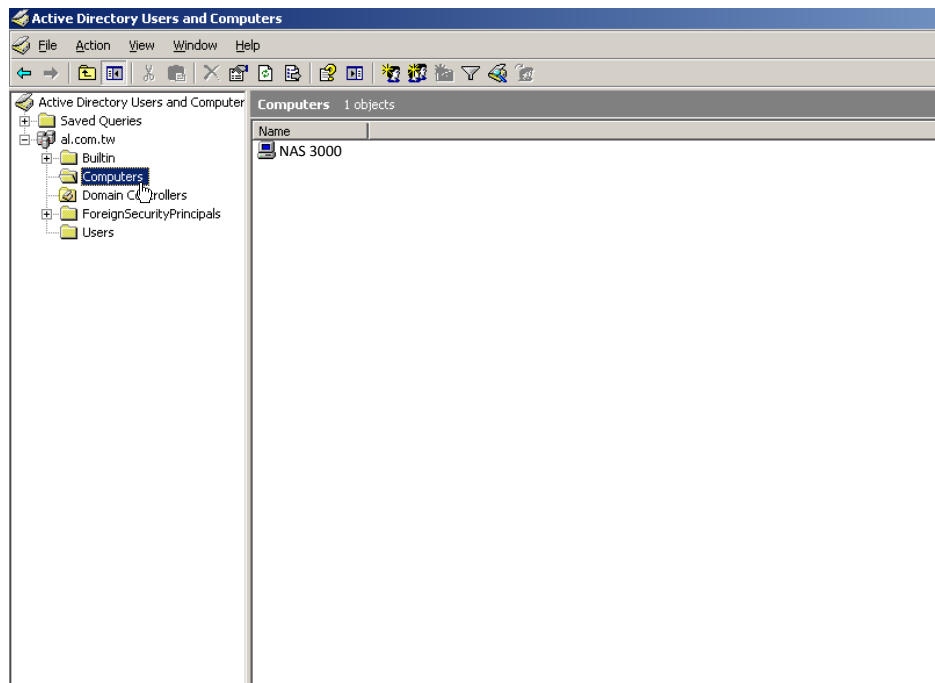
On the Server side, please go to “Control Panel” then click “Administrative Tools”



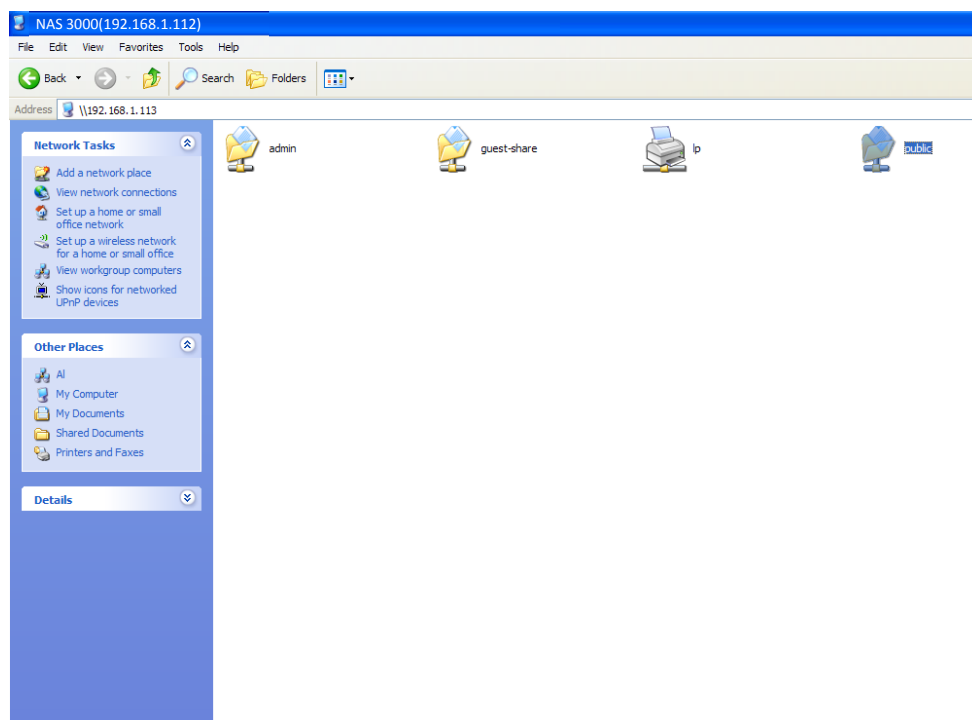
Double Click “Active Directory Users and Computers”



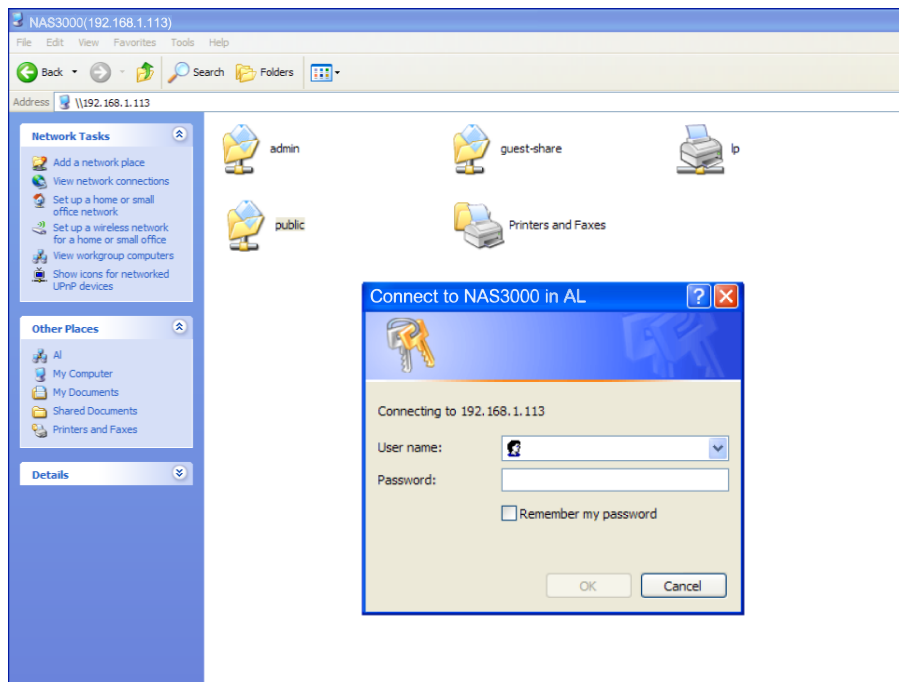
Double Click “Computers”, you should be able to see your NAS host name is present in the list. That means the you have successfully joined the NAS to the server domain. If not, please double check the information you type in the setup is correct or consult your MIS personnel.



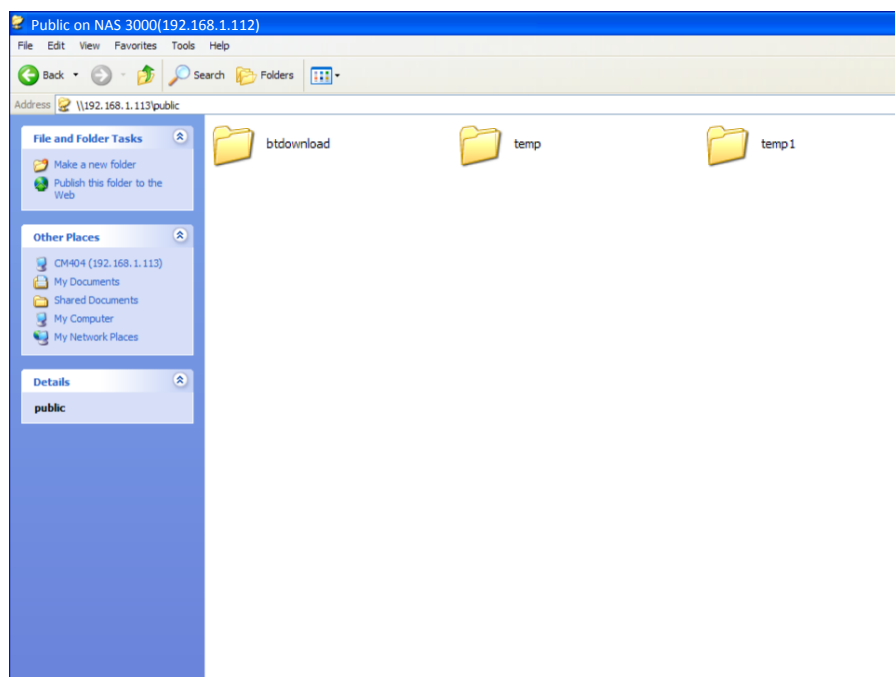
To verify the installation, please type [\\192.168.XXX.XXX](#) (this the IP address shown on the LCD display) in the Network Neighborhood. Before the installation, users should be able to access the “public” directory without any limitation. After the successful installation, if users double click the “public” directory, user will be asked for account name and password.



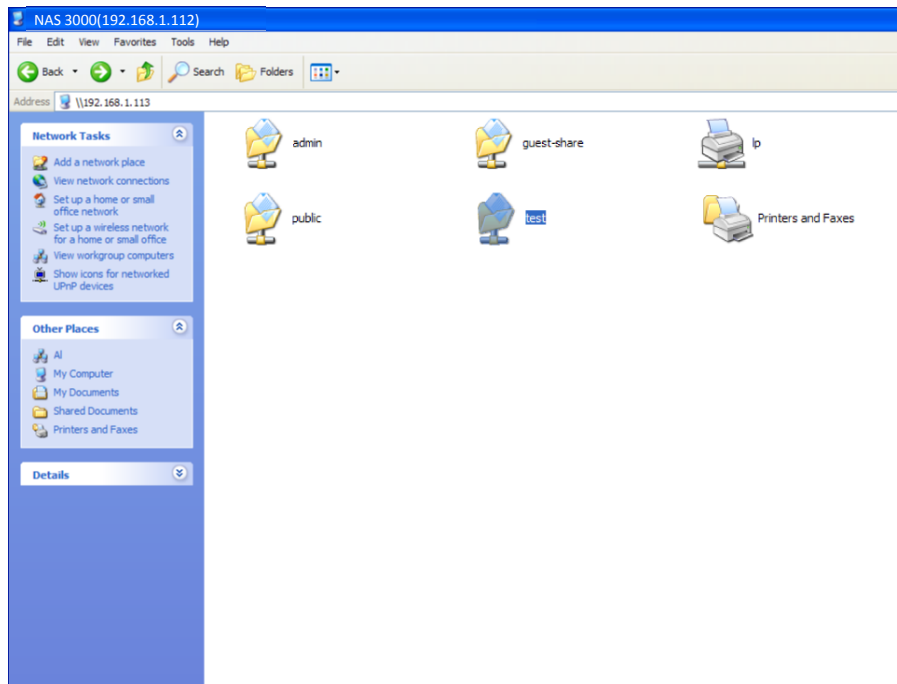
Please type in the user name and password preset in the server.



If the account name and password match the server's preset users, the access will be granted like this or the access will be denied.



If you go up a directory, users will be able to see their own private folder.



Appendix:

1. **To turn on the system power:** make sure the main power switch is turned on then touch the power switch in the front panel and the power will be turned on.
2. **To turn off the system power:** push and hold the power switch for more than 3 seconds for the system to go through the proper shut-down procedure. [WARNING] By turning off the switch on the back panel during operation, the system data integrity is not guaranteed.
3. **LCD display:** After the system boots, the LCD will stay in the IP address screen for 30 minutes, after that, the LCD will go to the system time page. By rotating the knob left or right, the LCD will change its display in the following sequence

(1) IP and MAC Address <---> (2) System Time <---> (3) System Temperature <--->
(4) Fan Speed RPM <---> (5) Drive Remaining Capacity <---> (6) System up time

4. **To operate the USB back to the system:** plug-in the USB device and wait for 15 second for the drive to mount, push and hold the backup switch for 3 seconds till the blue light is on and LCD screen will display a copying activity. The whole content on the USB device will be copied to the “public” directory with a folder name based on the starting time.
5. **To turn on-off the fan:** the fan is controlled by an internal temperature sensor. It will start to work if the system temperature is more than 45C and stop working below 40C. If user would like to turn the fan on and of manually, you just have to rotate the knob to the LCD fan speed page to push the knob to turn on or off the fan.
6. **To lock/unlock the drive door:** please use the tab comes with the system to pull up or down. When you see the red dot, the door is locked and the door handle is disabled. To unlock the door, just do it the other way.
7. **Hardware switch to restore the factory default setting:** For any reason, if user wants to restore the system setting to the default state (like forgetting the password of the system administrator), please locate a pin hole on the bottom left of the LCD display. Use a pin to poke the switch inside for 5 seconds, the setting will be restored to the factory default. Please note, the data content on the drive will not be affected by this operation.
8. **The sequence of the drives:** The drives are counted bottom-up, the bottom drive is “A” drive and the top drive is “D” drive. If you remove the drives and forget the sequence, that is not a problem, the sequence doesn’t matter at all. But please don’t remove the drive while the power is on, always shutdown the system before you remove the drive.